



Appendix B

Detailed Test Results

WIFI 2.4G
WIFI 5G
WIFI 6E SAR
Bluetooth
NFC
WIFI 6E PD

Test Laboratory: SGS-SAR Lab

TF31B Wifi2.4G 802.11b 6CH Top side 0mm

DUT: TF31B; Type: Wireless Data Terminal; Serial: 867939070006177

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1.016

Medium: HSL2450;Medium parameters used: $f = 2437$ MHz; $\sigma = 1.791$ S/m; $\epsilon_r = 38.225$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(8.03, 8.03, 8.03); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.51 W/kg

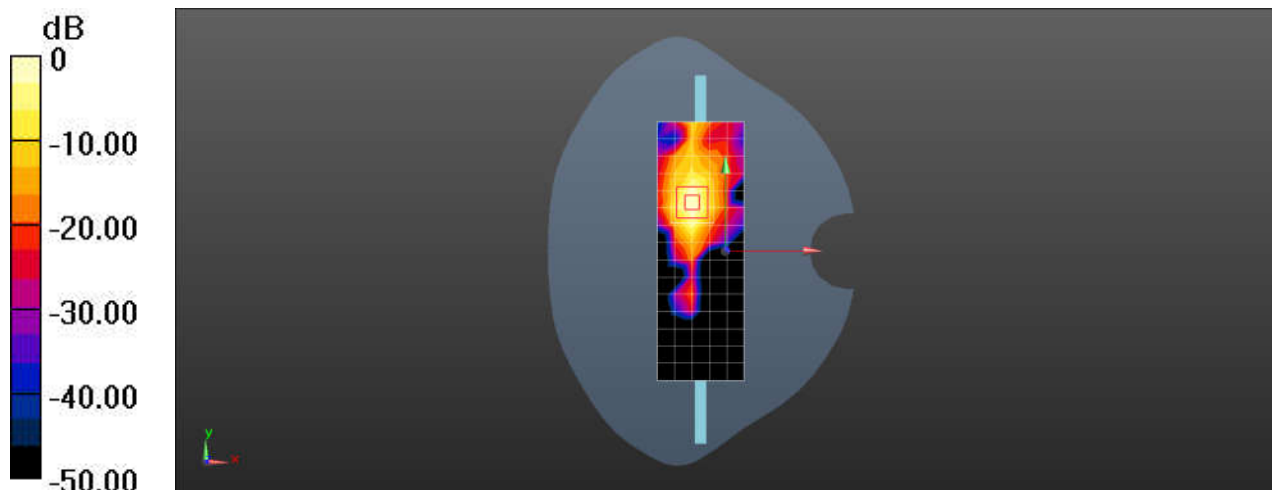
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.642 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 0.842 W/kg; SAR(10 g) = 0.309 W/kg

Maximum value of SAR (measured) = 1.60 W/kg



0 dB = 1.51 W/kg = 1.78 dBW/kg

Test Laboratory: SGS-SAR Lab

TF31B Wifi5G 802.11a 60CH Top side 0mm

DUT: TF31B; Type: Wireless Data Terminal; Serial: 867939070006177

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5300 MHz; Duty Cycle: 1:1.053

Medium: HSL5G; Medium parameters used: $f = 5300$ MHz; $\sigma = 4.811$ S/m; $\epsilon_r = 36.412$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(5.73, 5.73, 5.73); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x19x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.94 W/kg

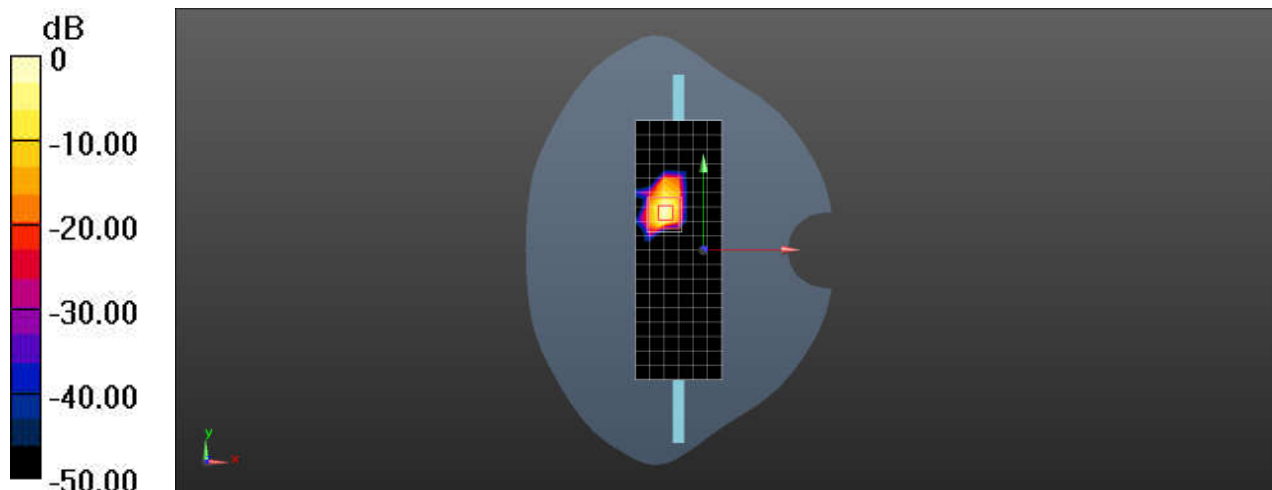
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 4.28 W/kg

SAR(1 g) = 0.864 W/kg; SAR(10 g) = 0.160 W/kg

Maximum value of SAR (measured) = 2.51 W/kg



Test Laboratory: SGS-SAR Lab

TF31B Wifi5G 802.11a 116CH Top side 0mm

DUT: TF31B; Type: Wireless Data Terminal; Serial: 867939070006177

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5580 MHz; Duty Cycle: 1:1.053

Medium: HSL5G; Medium parameters used: $f = 5580$ MHz; $\sigma = 5.104$ S/m; $\epsilon_r = 35.67$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(5.12, 5.12, 5.12); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x19x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.86 W/kg

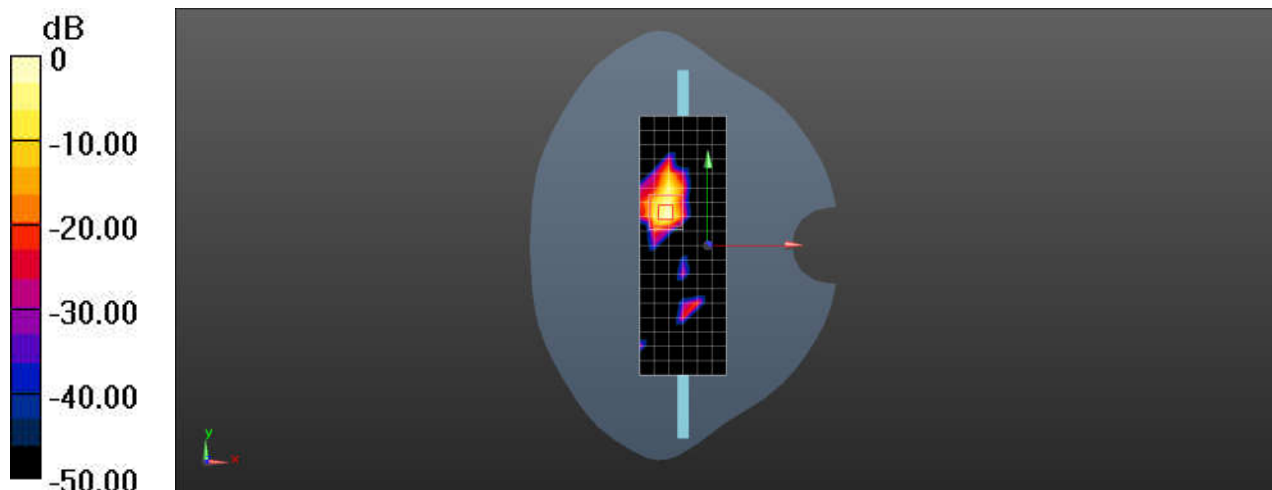
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.23 W/kg

SAR(1 g) = 0.817 W/kg; SAR(10 g) = 0.148 W/kg

Maximum value of SAR (measured) = 2.61 W/kg



0 dB = 1.86 W/kg = 2.69 dBW/kg

Test Laboratory: SGS-SAR Lab

TF31B Wifi5G 802.11n-HT40 151CH Top side 0mm

DUT: TF31B; Type: Wireless Data Terminal; Serial: 867939070006177

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5755 MHz; Duty Cycle: 1:1.117

Medium: HSL5G; Medium parameters used: $f = 5755$ MHz; $\sigma = 5.301$ S/m; $\epsilon_r = 35.193$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(5.21, 5.21, 5.21); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.72 W/kg

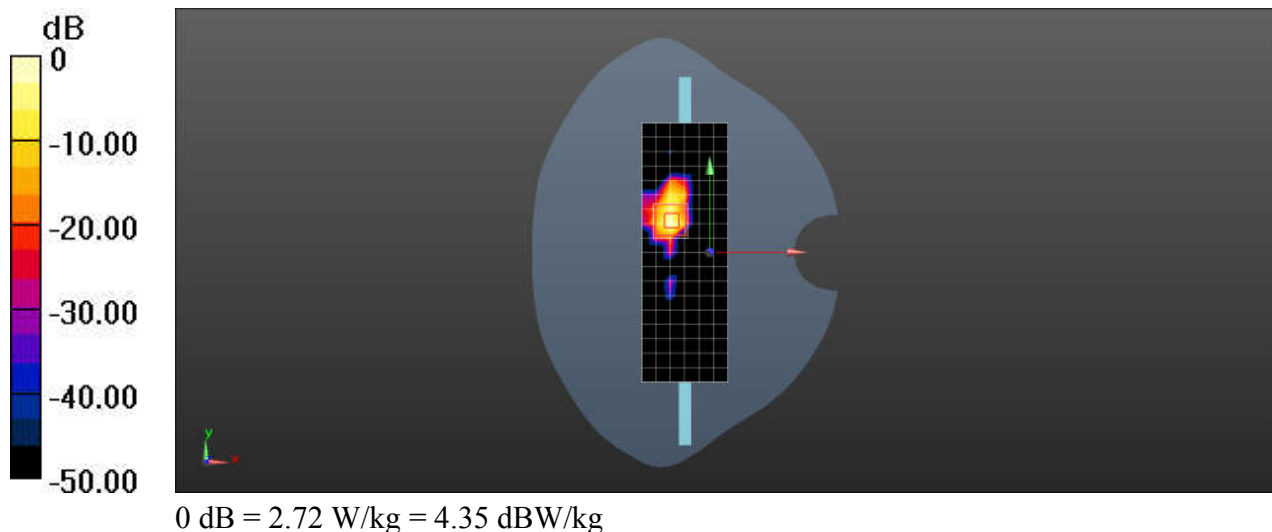
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 4.93 W/kg

SAR(1 g) = 0.835 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 2.95 W/kg



Test Laboratory: SGS-SAR Lab

TF31B Bluetooth DH5 39CH Top side 0mm

DUT: TF31B; Type: Wireless Data Terminal; Serial: 867939070006177

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium: HSL2450; Medium parameters used: $f = 2441$ MHz; $\sigma = 1.794$ S/m; $\epsilon_r = 38.291$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(8.03, 8.03, 8.03); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.00 W/kg

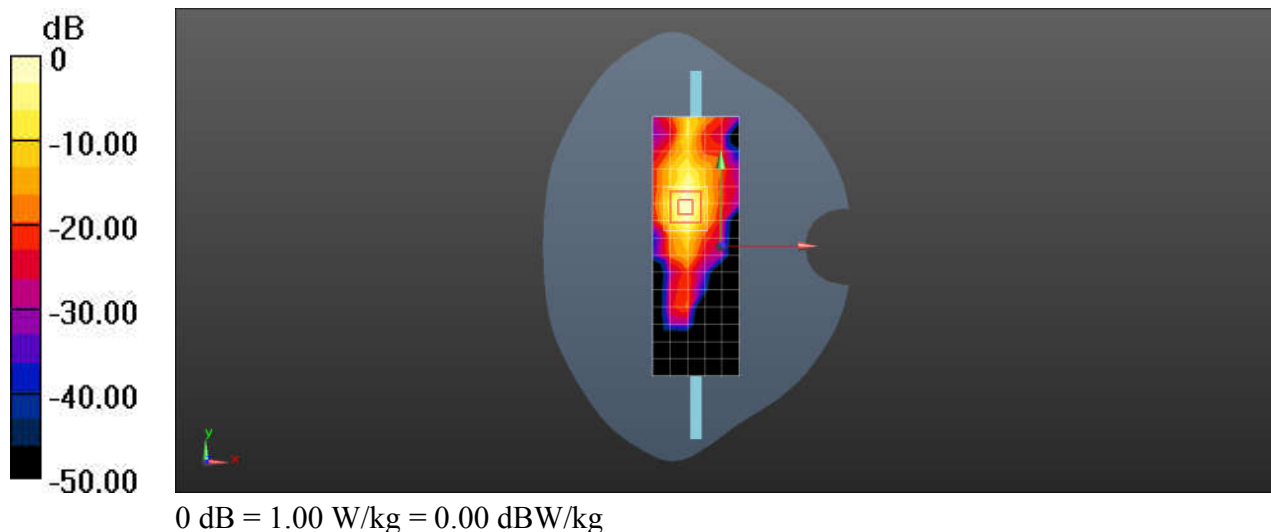
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.583 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.555 W/kg; SAR(10 g) = 0.206 W/kg

Maximum value of SAR (measured) = 1.04 W/kg



WIFI6G 802.11ax 80M 103CH Top side 0mm

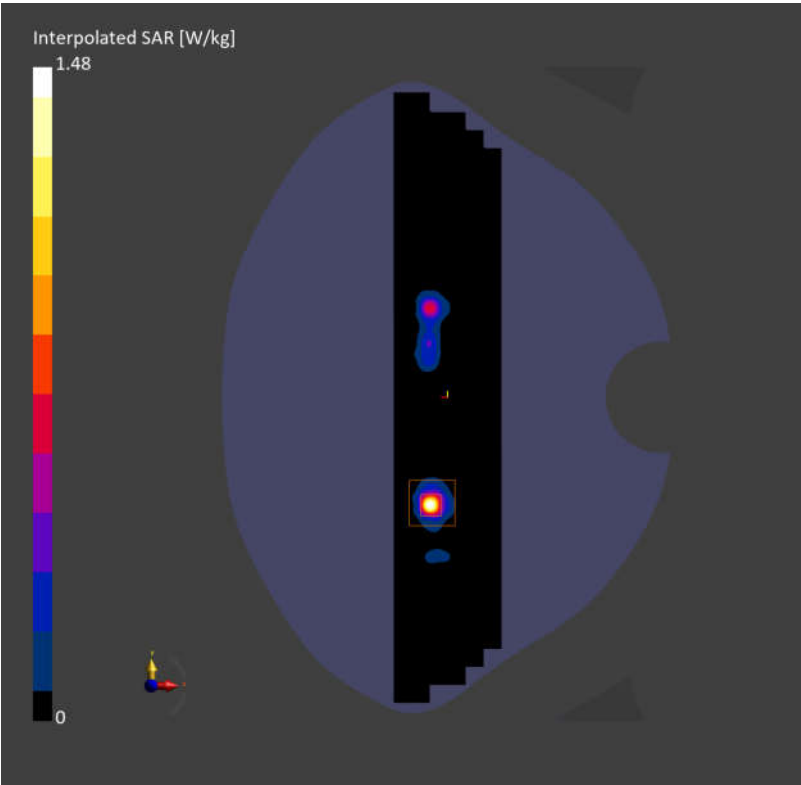
Communication System: U-NII-6; Frequency: 6465.000
Medium: HSL. Medium parameters used: $f=6465.000$ MHz; $\sigma=6.14$ S/m; $\epsilon_r=34.1$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3801; ConvF(5.35, 5.35, 5.35); Calibrated: 2024-06-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2025-02-17
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.2.0.1425

Area Scan (51.0 mm x 289.0 mm): Measurement Grid: 8.5 mm x 8.5 mm
SAR (1g) = 0.709 W/kg; SAR (10g) = 0.122 W/kg;

Zoom Scan (23.4 mm x 23.4 mm x 25.0 mm): Measurement Grid: 2.6 mm x 2.6 mm x 1.2 mm
Power Drift = 0.15 dB
SAR (1g) = 0.711 W/kg; SAR (10g) = 0.127 W/kg;

psAPD (4.0cm2, sq) [W/m2]	3.38
M2/M1 [%]	56.7
Dist 3dB Peak [mm]	4.0



NFC 13.6MHz Back side 0mm

Communication System: Custom Band; Frequency: 13.600

Medium: HSL. Medium parameters used: $f=13.600$ MHz; $\sigma=0.766$ S/m; $\epsilon_r=55.6$

DASY8 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(13.68, 13.51, 13.73); Calibrated: 2025-01-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1826; Calibrated: 2025-02-17
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2217
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (210.0 mm x 300.0 mm): Measurement Grid: 15.0 mm x 15.0 mm

SAR (1g) = 0.154 W/kg; SAR (10g) = 0.115 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm

Power Drift = -0.07 dB

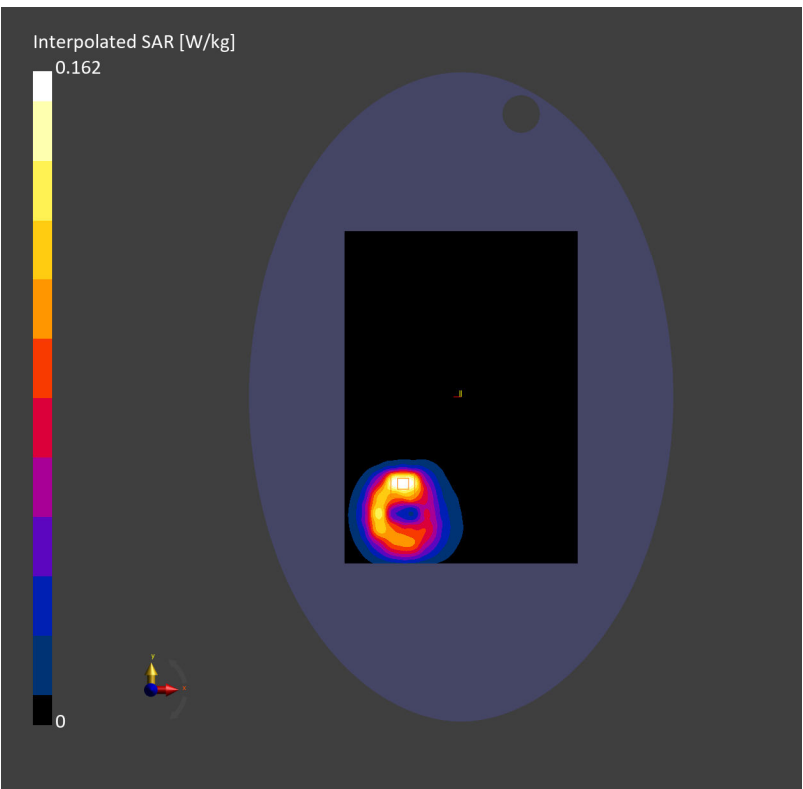
SAR (1g) = 0.102 W/kg; SAR (10g) = 0.063 W/kg;

M2/M1 [%]

65.4

Dist 3dB Peak [mm]

8.1



Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Device,	168.0 x 258.0 x 12.5	Tablet

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE TOP, 2.00	U-NII-5	WLAN, 10719–AAC	5985.0, 7	1.0

Hardware Setup

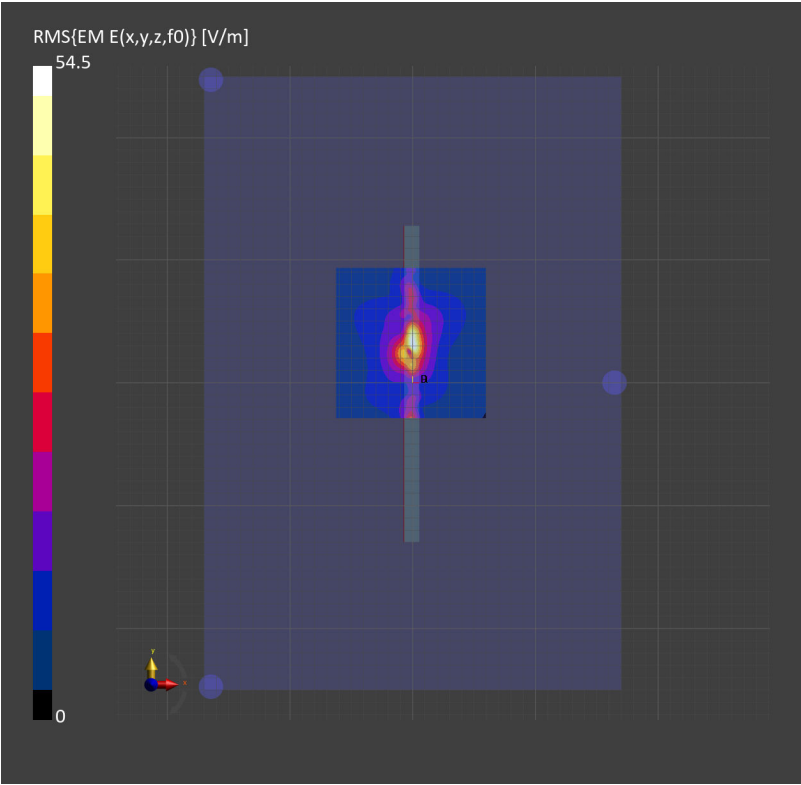
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1777	Air –	EUmmWV4 – SN9718_F1–55GHz, 2025–08–04	DAE4ip Sn1826, 2025–02–17

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

Scan Type	5G Scan
Date	2025–11–30
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	1.92
psPDtot+ [W/m²]	2.97
psPDmod+ [W/m²]	5.42
E _{max} [V/m]	54.5
Power Drift [dB]	0.01





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